

IN THE CLAIMS:

Please cancel without prejudice Claim 2.

Please delete the text of Claims 1, 5, 6, 7 and 9 and insert therefor the following:

1. (Once Amended) A method of increasing loading of active enzyme immobilized in a polyurethane polymer, the method comprising the steps of:

a1 synthesizing the polyurethane polymer in a reaction mixture containing water and enzyme wherein an enzyme loading of the polyurethane polymer is greater than approximately 0.1 percent by weight of the polyurethane polymer; and

including a sufficient amount of a surfactant in the reaction mixture to increase enzyme activity at [an] the enzyme loading.

5. (Once Amended) The method of Claim 1 wherein enzyme immobilized in the polyurethane polymer includes at least one of an oxidoreductase, a transferase, a hydrolase, a lyase, an isomerase or a ligase.

a2 6. (Once Amended) The method of Claim 1 wherein enzyme immobilized in the polyurethane polymer includes at least one of a protease, a lipase, a peroxidase, a tyrosinase, a glycosidase, a nuclease, an aldolase, a phosphatase, a sulfatase, or a dehydrogenase.

7. (Once Amended) The method of Claim 1 wherein at least two species of enzyme are co-immobilized within the polyurethane polymer.

a3 9. (Once Amended) The method of Claim 1 wherein the surfactant comprises between 0.5 to 5.0 weight percent of the aqueous component of the mixture.